


RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county Cat Canyon		District: 3 - SANTA MARIA	
Former owner Chevron U.S.A. Inc.		Opcode: C5640	Date: July 19, 2010
Name and location of well(s)			
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><u>Sec. 4, T. 8N, R. 32W S.B. B&M</u> "W.P. Hammon Fee B (NCT-2)" 13 (083-00451)</p> <p><u>Sec. 5, T. 8N, R. 32W S.B. B&M</u> "W.P. Hammon Fee B (NCT-2)" (See attached list)</p> <p><u>Sec. 6, T. 8N, R. 32W S.B. B&M</u> "Los Alamos" (See attached list)</p> <p><u>Sec. 7, T. 8N, R. 32W S.B. B&M</u> "Los Alamos" (See attached list)</p> <p><u>Sec. 18, T. 8N, R. 32W S.B. B&M</u> (Field Santa Barbara Co.) "Los Alamos" 200 (083-20412)</p> <p><u>Sec. 18, T. 9N, R. 32W S.B. B&M</u> "Williams Holding Co." C.H. 1 & C.H.3</p> <p><u>Sec. 30, T. 9N, R. 32W S.B. B&M</u> "Fugler" (See attached list)</p> <p><u>Sec. 31, T. 9N, R. 32W S.B. B&M</u> "Drumm", "D-WF", Gwinn Fee", "Los Alamos", "Williams Holding", "Williams Recruit" (See attached list)</p> </div> <div style="width: 48%;"> <p><u>Sec. 32, T. 9N, R. 32W S.B. B&M</u> "W.P. Hammon Fee B (NCT-1)" 1 & 3</p> <p><u>Sec. 1, T. 8N, R. 33W S.B. B&M</u> "Los Alamos" (See attached list)</p> <p><u>Sec. 12, T. 9N, R. 33W S.B. B&M</u> "G.W.P." (See attached list)</p> <p><u>Sec. 13, T. 9N, R. 33W S.B. B&M</u> "G.W.P." (See attached list)</p> <p><u>"Standard" 1</u> (083-01397)</p> <p><u>Sec. 23, T. 9N, 33W S.B. B&M</u> "G.W.P." (See attached list), "Palmer Stendel" 66-23 (083-01123)</p> <p><u>Sec. 24, T. 9N, 33W S.B. B&M</u> "G.W.P." (See attached list), "GWP-RF", "Palmer Stendel" 1-24 (083-01151), "WH-GWP-RF" 408 (083-20843)</p> <p><u>Sec. 25, T. 9N, 33W S.B. B&M</u> "G.W.P." 367-24 (083-22114)</p> </div> </div>			
SEE PAGE 2			
Description of the land upon which the well(s) is (are) located Cat Canyon Field, Santa Barbara County, CA			
Date of transfer, sale, assignment, conveyance, or exchange 4-29-2010	New Owner ERG Operating Company, LLC.	Operator code E0255	Type of Organization Corporation
	Address 600 Travis, Suite 7050 Houston, TX 77002		Telephone No. (713) 812-1800
Reported by ERG Operating Company, LLC			
Confirmed by Chevron U.S.A. Inc.			
New operator new status PA	Request Designation of Agent		
Old operator new status PA	Remarks Acquiring company has a blanket bond.		
Deputy Supervisor Patricia A. Abel		Signature 	

OPERATOR STATUS ABBREVIATIONS


FORM AND RECORD CHECK LIST

PA - Producing Active	FORM AND RECORD CHECK LIST					
NPA - No Potential Active	Form or record	Initials	Date	Form or record	Initials	Date
PI - Potential Inactive	Form OGD121	CB	7/21/10	Map and Book	PA	
NPI - No Potential Inactive	Well records	CB	7/21/10	Lease Files	CB	7/21/10
Ab - Abandoned or No More Wells	New well cards			Well Stat	CB	
PAA:cb	Bond Status			District Computer Files	CB	7/21/10
cc: ERG Operating Co. LLC	Annual Report	CB	7/21/10			
Chevron U.S.A. Inc.						

Santa Barbara County
Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

OGD156 (Modified 1/00)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county Cat Canyon		District: 3 - SANTA MARIA	
Former owner Chevron U.S.A. Inc.		Opcode: C5640	Date: July 19, 2010
Name and location of well(s)			
<p><u>Sec. 1, T. 8N, R. 33W S.B. B&M</u> "Climax" 1 (083-00380)</p> <p><u>Sec. 25, T. 9N, R. 33W S.B. B&M</u> "GWP-RF" (See attached list) "Recruit Fee", "WH-F", "WH-GWP", "WH-RF", "Williams Holding", "Williams Holding Co." 1 (083-00729), "Williams Recruit" 2 & 3 (See attached list)</p> <p><u>Sec. 36, T. 9N, R. 33W S.B. B&M</u> "D-WF" 382 (083-22180), "Los Alamos", "WF-LA" 704-36 (083-21126), "WH-LA" 308 (083-21003) "Williams Fee", "Williams Holding" 368-25 (083-22122)</p> <p>SEE ATTACHED LIST FOR LISTING OF ALL WELLS INCLUDED IN TRANSFER.</p>			
Description of the land upon which the well(s) is (are) located Cat Canyon Field, Santa Barbara County, CA			
Date of transfer, sale, assignment, conveyance, or exchange 4-29-2010	New Owner ERG Operating Company, LLC.		Operator code E0255
	Address 600 Travis, Suite 7050 Houston, TX 77002		Type of Organization Corporation
Telephone No. (713) 812-1800			
Reported by ERG Operating Company, LLC.			
Confirmed by Chevron U.S.A. Inc.			
New operator new status PA	Request Designation of Agent		
Old operator new status PA	Remarks Acquiring company has a blanket bond.		
Deputy Supervisor Patricia A. Abel		Signature 	

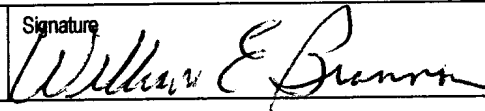
OPERATOR STATUS ABBREVIATIONS

OPERATOR STATUS ABBREVIATIONS		FORM AND RECORD CHECK LIST			
		Form or record	Initials	Date	
PA - Producing Active					
NPA - No Potential Active					
PI - Potential Inactive		Form OGD121	CB		Map and Book
NPI - No Potential Inactive		Well records	CB		Lease Files
Ab - Abandoned or No More Wells		New well cards			Well Stat
PAA:cb		Bond Status			District Computer Files
cc: ERG Operating Co. LLC		Annual Report	CB		
Chevron U.S.A. Inc.					

Santa Barbara County
Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

OGD156 (Modified 1/00)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county See below		District: 3 - SANTA MARIA	
Former owner ChevronTexaco Exploration & Production Company		Opcode:	Date September 23, 2005
Name and location of well(s) <p style="text-align: center;">All Wells</p>			
Description of the land upon which the well(s) is (are) located All wells			
Date of transfer, sale, assignment, conveyance, or exchange 7-11-2005	New Owner Chevron U.S.A. Inc.	Operator code C5640	Type of Organization Corp.
	Address PO Box 1392 Bakersfield, CA 93302		Telephone No. (661) 654-7065
Reported by ChevronTexaco Exploration & Production Company			
Confirmed by Chevron U.S.A. Inc.			
New operator new status (status abbreviation) PA	Request Designation of Agent		
Old operator new status (status abbreviation) PA	Remarks THIS IS A NAME CHANGE ONLY Includes abandoned wells		
Deputy Supervisor William E. Brannon		Signature 	

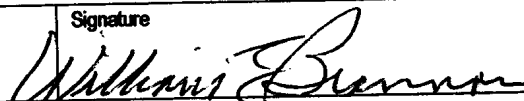
OPERATOR STATUS ABBREVIATIONS

PA - Producing Active	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
NPA - No Potential Active	Form OGD121	W	9/23/05	Map and Book	W	9/23/05
PI - Potential Inactive	Well records	W	9/23/05	Lease Files		
NPI - No Potential Inactive	New well cards			Well Stat	W	9/23/05
Ab - Abandoned or No More Wells	Bond Status	W	9/23/05	District Computer Files		
WEB:hc						
cc: ChevronTexaco E&P Co.						
Chevron U.S.A. Inc.						

Santa Barbara County
Cons. Committee
Harold Bertholf

Transfer File
HQ

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county Cat Canyon		District 3 - SANTA MARIA	
Former owner Texaco Exploration & Production Inc.		Opcode: T1600	Date November 22, 2002
Name and location of well(s)			
<u>Sec. 5, T. 8N, R. 32W, SB B&M</u> All Wells	<u>Sec. 7, T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 2, T. 9N, R. 33W, SB B&M</u> *All Wells	
<u>Sec. 6, T. 8N, R. 32W, SB B&M</u> All Wells	<u>Sec. 30, T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 3, T. 9, R. 33W, SB B&M</u> All Wells	
<u>Sec. 7, T. 8N, R. 32W, SB B&M</u> All Wells	<u>Sec. 31, T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 10, T. 9N, R. 33W, SB B&M</u> All Wells	
<u>Sec. 16, T. 8N, R. 32W, SB B&M</u> All Wells	<u>Sec. 32 T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 11, T. 9N, R. 33W, SB B&M</u> All Wells	
<u>Sec. 12, T. 8N, R. 33W, SB B&M</u> All Wells	<u>Sec. 1, T. 8N, R. 33W, SB B&M</u> All Wells	<u>Sec. 12, T. 9N, 33W, SB B&M</u> All Wells	
<u>Sec. 6, T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 1, T. 9N, R. 33W, SB B&M</u> *All Wells	<u>Sec. 13 T. 9N, R. 33W, SB B&M</u> All Wells	
Description of the land upon which the well(s) is (are) located			
Date of transfer, sale, assignment, conveyance, or exchange 08-22-02	New Owner ChevronTexaco Exploration & Production Company		Operator code C5680
	Address 5001 California Ave. Bakersfield, CA 93309		Type of Organization Corp.
Telephone No. (661) 395-6445			
Reported by Texaco Exploration & Production Inc.			
Confirmed by ChevronTexaco Exploration & Production Co.			
New operator new status (status abbreviation) PA	Request Designation of Agent		
Old operator new status (status abbreviation) PA	Remarks		
Deputy Supervisor William E. Brannon		Signature 	

OPERATOR STATUS ABBREVIATIONS

FORM AND RECORD CHECK LIST

PA - Producing Active	Form or record	Initials	Date	Form or record	Initials	Date
NPA - No Potential Active	Form OGD121	HC	11-02	Map and Book	PBH	11-02
PI - Potential Inactive	Well records	DM	11-02	Lease Files		
NPI - No Potential Inactive	New well cards	DM	11-02	Well Stat	HC	
Ab - Abandoned or No More Wells	Bond Status			District Computer Files		
WEB:hc						
cc: Cons. Committee						
Harold Bertholf						

Texaco E & P Inc.
ChevronTexaco E & P Co.
OGD156 (Modified 1/00)

CALIFORNIA STATE MINING BUREAU

DEPARTMENT OF PETROLEUM AND GAS

SPECIAL REPORT ON OPERATIONS WITNESSED

No. T. **5-327**

Santa Maria,

Cal.

November 15,

1920

Mr. **O. H. Hanson,**

Los Alamos,

Cal.

DEAR SIR:

Agent for **E. L. Doherty**

Company

Operations at your well No. **14-A**, Section **Bell**, T. **8N**, R. **35W**, S. **30**.

Cat Canyon Field

Sta. Barbara Co. B. & M.

were witnessed by **M. H. Soyester**

representative of the supervisor.

on **Oct. 19,**

1920

There were also present **W. J. Teeter,**

(Driller),

and Paul McCartney (Tool Dresser).

The operations were performed for the purpose of **determining the condition and location of the top of a cement bridge.**

and the data and conclusions are as follows:

You reported to the Deputy that the following work had been done on the well since the last inspection of a cement plug was made by a representative of this Department.

1. Bridged at 2569' and filled to 3527' with 30 sk. of cement, 8 1/2" casing having been pulled from 3549'.
2. Bridged at 3024', filled to 2966' with 58sk. of cement, being 36' into the 11" shoe.
3. 11" casing shot off and pulled from 1280'.
4. Bridged at 1102' and put in 25 sk. of cement.

The deputy witnessed that the bailer picked up at 1078' and that it could not be spudded deeper. Bailer brought up hard cement. Location and hardness of plug is satisfactory.

Mr. Hanson stated that recommendation No. 4 of our report No. P-3-448 which required the cement plug to be started inside of the 11" cut off, and recommendation No. 5, this same report which required a 30 foot cement plug to be started at 1120', could not be carried out, due to the fact that after shooting off the 11" casing at 1280', it was found impossible to get back into the old hole below a depth of 1102'. An oral approval was then given by this Department allowing the company to start the plug at 1102'.

The plug so placed from 1102' to 1078' should satisfactorily protect any oil bearing formations below this point from infiltration of water.

The requirements of this Department which are based on all information filed with it, have now been complied with.

R. P. McLAUGHLIN

State Oil and Gas Supervisor

By

M. H. Soyester

Deputy

29

Fill this blank in with typewriter. Write on one side of paper only

CALIFORNIA STATE MINING BUREAU

FERRY BUILDING, SAN FRANCISCO

LOG OF OIL OR GAS WELL

H. W. Hall, Deputy

GRAPHIC LOG FILE
STAT. BUREAU
RECEIVED
JAN 1 1919
CALIFORNIA STATE MINING BUREAU

FIELD Cat Canyon COMPANY Pan American Petroleum Inv. Corp.

Township BELL RANCH PROPERTY Section Elevation 803 Number of Well 14-A

In compliance with the provisions of Chapter 718, Statutes 1915, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date December 21st, 1918.

Signed L. M. Abrams

Title Superintendent
(President, Secretary or Agent)

The summary on this page is for the ORIGINAL condition of the well

OIL SANDS

1st sand from None to 4th sand from to
2d sand from to 5th sand from to
3d sand from to 6th sand from to

IMPORTANT WATER SANDS

1st sand from 3081 to 3112 3d sand from to
2d sand from 3511 to 3532 4th sand from to

CASING RECORD

Size of Casing	Where Landed	Where Cut	Weight Per Foot	Threads Per Inch	Kind of Shoe	Make of Casing	Yes	No	Cemented	Number Sacks
17"	20'				Plain	Stove Pipe			No	
11"	3004'		60#	8	Plain	Marks	Yes			275
8 1/2"	3490'		32#	10	"	"	Yes			60
8 1/2"	3953'		32#	10	"	"	Yes			150
Shot 8 1/2" at 3365 leaving 105' in hole. 25# 80% Gelatine used. Ran shot with sand line.										

CEMENTING OR OTHER SHUT-OFF RECORD

Casing, Size	Sacks	Time Set	Method	Test and Result (Give water level and bailing results)
11"	275	106 days		Bailed hole dry. Stood 12 hrs. Ran bailer. got 18 gals water.
8 1/2"	60	12 "		Bailed water to 3200'. Stood 12 hrs. Hole filled up 150'. water coming from bottom sand.
8 1/2"	150	87 "		Bailed to 2600'. Stood 26 hrs. Ran bailer to 2500' and got 2 gallons water.

PLUGS AND ADAPTERS

Heaving Plug—Material Length Where set

Adapters —Material Size

TOOLS

Rotary Tools were used from Top ft. to 3004 ft.

Cable Tools were used from 3004 ft. to 4631 ft.

PERFORATIONS

State clearly whether a machine was used or casing was drilled in shop

From	To	Size of Holes	Number of Rows	Holes Per Foot	Machine—Shop
ft.	ft.	None			
ft.	ft.				
ft.	ft.				
ft.	ft.				
ft.	ft.				28

The gravity of oil was ----- degrees Baumé. Water in oil amounted to ----- per cent.

NAMES OF DRILLERS

NAMES OF TOOL DRESSERS

C. Johnson & B. Harrison

Byers and Delaney

R. A. Moore -- A. M. Call -- L. M. Crane

Wright -- Sturgeon -- Saulsbury

Date drilling started ----- March 18th, 1917 -----

Date well was completed ----- Temporarily abandoned -----

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Name of Formation
Top of Formation	Bottom of Formation		
0	70	70	Surface Sand
70	100	30	Blue Shale
100	130	30	Conglomerate
130	320	190	Soft Shale.
320	416	96	Sticky Shale
416	420	4	Shell
420	500	80	Sticky Shale
500	795	295	Soft Brown Sticky Shale
795	860	65	Sticky Shale
860	1004	144	Hard Brown shale.
1004	1005	1	Hard Shell
1005	1012	7	Hard Brown Shale
1012	1020	8	Sticky Shale
1020	1100	80	Hard Brown Shale
1100	1103	3	Hard Shell
1103	1185	82	Hard Brown Shale
1185	1187	2	Hard Shell
1187	1220	33	Hard Brown Shale.
1220	1225	5	Tough Sticky Shale
1225	1525	300	Hard Brown Shale
1525	1535	10	Blue Shale
1535	1575	40	Hard Brown Shale
1575	1577	2	Shell
1577	1655	78	Hard Brown Shale
1655	1663	8	Blue Shale
1663	1668	5	Hard Brown Shale
1668	1690	22	Sticky Blue Shale
1690	1695	5	Hard Brown Shale
1695	1698	3	Hard Sandy Blue Shale
1698	1800	102	Shale--Conglomerate
1800	1900	100	Blue Shale
1900	1915	15	Shale--Conglomerate
1915	1940	25	Blue Shale
1940	1958	18	Shale--Conglomerate
1958	1990	32	Blue Shale
1990	2000	10	Shale--Conglomerate
2000	2030	30	Blue Shale
2030	2070	40	Shale--Conglomerate
2070	2095	25	Sticky Blue Shale
2095	2153	58	Soft Shale--Conglomerate
2153	2170	17	Hard Shale--
2170	2200	30	Medium Shale
2200	2245	45	Blue Shale
2245	2322	77	Shale
2322	2325	3	Tar Sand
2325	2365	40	hard gray shale
2365	2410	45	soft gray shale

1695
800
-892

2325
800
-1525

FOR 100 --- CONTINUED --- Jan y 4th, 1919.
CALIFORNIA STATE MINING BUREAU
 LOG OF OIL OR GAS WELL—Continued.

FIELD Cat Canyon COMPANY Pan American Petroleum Inv. Corp.,
 Township BELL RANCH PROPERTY Section 14-4 Number of well 14-4

FORMATIONS PENETRATED BY WELL

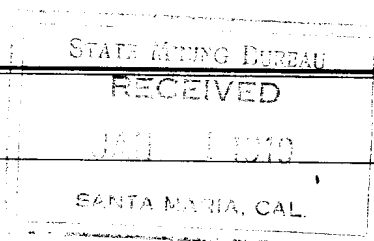
DEPTH TO		Thickness	Name of Formation
Top of Formation	Bottom of Formation		
2410	2625	215	Gray Shale
2625	2631	6	Hard Shell
2631	2658	27	Gray Shale
2658	2665	7	Sand--Oil showing.
2665	2845	180	Gray Shale
2845	2895	50	Blue Shale
2895	2933	38	Sticky Gray Shale
2933	2934	1	Shell
2934	2938	4	Soft Gray Shale
2938	2939	1	Shell
2939	2950	11	Soft Shale
2950	3000	50	Gray Shale
3000	3011	11	Gray Sandy Shale
3011	3013	2	Shell
3013	3078	65	Gray Sandy Shale
3078	3081	3	Shell
3081	3112	18	Salt Water Sand - S5
3112	3136	22	Gray Shale
3136	3137	1	Shell
3137	3142	5	Gray Sandy Shale
3142	3144	2	Shell
3144	3165	21	Gray Shale
3165	3168	3	Shell
3168	3239	71	Gray Shale
3239	3243	4	Shell
3243	3251	8	Gray Shale
3251	3253	2	Shell
3253	3270	25	Gray Shale
3270	3299	21	Sand - S6
3299	3312	13	Gray Sandy Shale
3312	3315	3	Gray Shale
3315	3317	2	Shell
3317	3332	15	Gray Shale
3332	3358	16	Gray Shale
3358	3360	2	Hard Shell
3360	3376	16	Sandy Sgale
3376	3378	2	Hard Shell
3378	3385	7	Sandy Shale
3385	3442	57	Gray Shale
3442	3444	2	Shell
3444	3450	6	Gray Shale
3450	3509	59	Sabby Shale
3509	3511	2	Hard Shell
3511	3532	21	Water Sand
3532	3545	13	Gray Shale
3545	3610	65	Gray Shale
3610	3619	9	Sandy Shale

FEB 1 --- CONTINUED --- January 4th, 1918
CALIFORNIA STATE MINING BUREAU
 LOG OF OIL OR GAS WELL—Continued.

FIELD Cat Canyon COMPANY P. A. P. I. Corp
 Township BELL RANCH PROPERTY Range Section Number of well 14-A

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Name of Formation
Top of Formation	Bottom of Formation		
3619	3633	14	Gray Sandy Shale
3633	3657	24	" " "
3657	3693	26	Gray Shale
3693	3696	3	Shell
3696	3728	32	Gray Shale
3728	3744	16	Sandy Shale
3744	3815	71	Gray Shale
3815	3816	1	Sandy Shale
3816	3818	2	Shell
3818	3836	18	Gray Shale
3836	3837	1	Shell
3837	3879	52	Gray Shale
3879	3887	8	Sand
3887	3895	8	Gray Sandy Shale
3895	3904	9	Sandy Shale
3904	4072	168	Gray Shale
4072	4087	15	Hard Gray Shale
4087	4112	25	Gray Sandy Shale
4112	4116	4	Hard Sandy Shale
4116	4139	23	Gray Sandy Shale
4139	4140	1	Shell
4140	4148	8	Gray Shale
4148	4164	16	Sandy Shale
4164	4173	9	Gray Sandy Shale
4173	4176	3	Shell
4176	4190	14	Gray Sandy Shale
4190	4192	2	Gray Shale
4192	4207	15	Hard Sandy Shale
4207	4237	30	Gray Sandy Shale
4237	4238	1	Hard Shell
4238	4265	27	Gray Sandy Shale
4265	4270	5	Brown Shale
4270	4363	93	Gray Sandy Shale
4363	4373	10	Pyrites of Iron
4373	4374	1	Hard Shell
4374	4446	72	Gray Sandy Shale
4446	4448	2	Hard Shell
4448	4498	50	Gray Sandy Shale
4498	4501	3	Shell
4501	4529	28	Hard Gray Shale
4529	4535	6	Sand
4535	4549	14	Gray Sandy Shale
4549	4556	7	Hard Shell
4556	4631	75	Gray Shale.
4631	4631	Present Depth.	



CALIFORNIA STATE MINING BUREAU

LOG OF OIL OR GAS WELL

FIELD Cat Canyon COMPANY Pan American Petroleum Inv. Corp.,Township _____ Range _____ Section Ball Ranch Number of well 144

In compliance with the provisions of Chapter 718, Statutes 1915, the information given herewith is a complete and correct record of all work done on the well since the previous record, dated December 6th, 1918., was filed.

Signed J. M. Evans
(President, Secretary or Agent)Date December 7th, 1918.Title Superintendent.

<u>From</u>	<u>To</u>	<u>Formation</u>
3545	3610	Gray Shale
3610	3619	Sandy Shale
3619	3633	Gray Sandy Shale
3633	3657	" " "
3657	3693	Gray Shale
3693	3696	Shell
3696	3728	Gray Shale
3728	3737	Sandy Shale
3737	3744	" "
3744	3815	Gray Shale
3815	3816	Sandy Shale
3816	3818	Shell
3818	3836	Gray Shale
3836	3837	Shell
3837	3879	Gray Shale
3879	3887	Sand
3887	3895	Gray Sandy Shale
3895	3904	Sandy Shale
3904	4072	Gray Shale
4072	4087	Hard Gray Shale
4087	4112	Gray Sandy Shale
4112	4116	Hard Sandy Shale
4116	4139	Gray Sandy Shale
4139	4140	Shell
4140	4148	Shale, Gray
4148	4164	Sandy Shale
4164	4173	Gray Sandy Shale
4173	4176	Shell
4176	4190	Gray Sandy Shale
4190	4192	Gray Shale
4192	4207	Hard Sandy Shale
4207	4238	Gray Sandy Shale
4237	4238	Hard Shell
4238	4265	Gray Sandy Shale
4265	4270	Brown Shale
4270	4363	Gray Sandy Shale
4363	4373	Pyrites of Iron
4373	4374	Hard Shell
4374	4446	Gray Sandy Shale

STATE MINING BUREAU
RECEIVED

DEC 9 1918

SANTA MARIA, CAL.

H. W. Bell, Deputy

CALIFORNIA STATE MINING BUREAU

LOG OF OIL OR GAS WELL

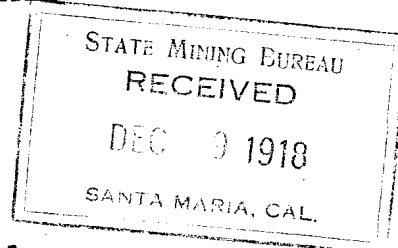
FIELD Cat Canyon COMPANY Pan American Petroleum Inv. Corp.,
 Township _____ Range _____ Section Bell Ranch Number of well 14A

In compliance with the provisions of Chapter 718, Statutes 1915, the information given herewith is a complete and correct record of all work done on the well since the previous record, dated December 6th, 1917., was filed.

Signed J. M. Grant
 (President, Secretary or Agent)

Date December 7th, 1918

Title Superintendent.



<u>From</u>	<u>To</u>	<u>Formation</u>
4446	4448	Hard Shell
4448	4498	Gray Sandy Shale
4498	4501	Shell
4501	4529	Hard Gray Shale
4529	4535	Sand
4535	4549	Gray Sandy Shale
4549	4556	Hard Shell
4556	4631	Gray Shale

403
 138
 138

	from-	To
Surface Sand	0'	70'
Blue shale	70	100
Conglomerate	100	130
Soft shale	130	320
Stickey Shale	320	416
Shell	416	420
Stickey shale	420	500
Soft Brown do	500	795
Stickey shale	795	860
1st Tar show at		760
Hard Brown shale	860	955
Shell 20 ft thick at		860
Hard Brown shale	955	1004
Hard shell	1004	1005
Hard Brown shale	1005	1100
Shows tar 1012-20-		
Hard shell	1100	1103
Hard Brown shale	1103	1185
Broken Tar sand	1135	1145
Hard shell	1185	1187
Hard Brown shale	1187	1525
Tar Broken	1225	1245
do sand	1295	1310
Showed Tar	1420	1495
Blue shale	1525	1535
Hard Brown shale	1535	1575
Hard shell	1575	1577
Hard Brown shale	1577	1655
Blue shale	1655	1663
Hard Brown shale	1663	1668
Stickey Blue do	1668	1690
Hard Brown shale	1690	1695
Sandy blue do	1695	1720
Blue shale	1720	2325
Broken tar sand	2170	2200
Tar Live	2322	2325
Hard gray shale	2325	2365
Gray Shale	2365	2625
Hard shell	2625	2631
Sea Shells show at		2485
Gray Shale	2631	2845
Sand	2660	2667
Blue shale	2845	2895
Gray Shale	2895-	2915
Stickey Gray shale	2915-	2933
Shell	2933	2934
Soft shale	2934	2938
Gray shale	2939	3005

Cemented 275 sax Riverside C W Spec at 3005 feet. Standing cemented- not yet tested.

June 29, 1917.

CALIFORNIA STATE MINING BUREAU

Department of Petroleum and Gas

RECORD OF WELL SHOOTING

COPIED FROM REPORTS BY ALLISON & ALEXANDER

COMPANY Pan American Petroleum Investment Co. FIELD Cat Canyon
 LEASE Ball WELL No. 14-A SEC. T R. B. & M.

Date Dec. 9, 1917 At 3385 ft. with 25 sticks 25 lbs. 80% gelatin dynamite

Purpose loosen 8 1/4" casing

Torpedoes, number 1 Diameter 5" Length 2'

Number of caps 2 Size casing 8 1/4" Kind of well

Shooter Alexander

Date At ft. with sticks lbs. 80% gelatin dynamite

Purpose

Torpedoes, number Diameter Length

Number of caps Size casing Kind of well

Shooter

Date At ft. with sticks lbs. 80% gelatin dynamite

Purpose

Torpedoes, number Diameter Length

Number of caps Size casing Kind of well

Shooter

Date At ft. with sticks lbs. 80% gelatin dynamite

Purpose

Torpedoes, number Diameter Length

Number of caps Size casing Kind of well

Shooter

PAN AMERICAN PETROLEUM & TRANSPORT COMPANY

PAN AMERICAN PETROLEUM INVESTMENT CORPORATION

SUBSIDIARY

EDWARD L. DOHENY, PRESIDENT.
T. A. O'DONNELL, VICE PRES. & GEN. MGR.
HERBERT G. WYLIE, VICE PRESIDENT.
E. L. DOHENY, JR., VICE PRESIDENT.
NORMAN BRIDGE, TREASURER.
O. D. BENNETT, SECRETARY.

E. L. DOHENY

GENERAL OFFICES
LOS ANGELES

Los Alamos, California 11/12 '20



Calif. State Mining Bureau,

Santa Maria,

ATTENTION MR. SOISTER.

Gentlemen:-

Confirming telephone of requested information regarding Abandonment operation of Well No. 144Q, beg to advise that I find from the logs that the the well was bridged ~~from~~ at 3975' and filled to 3931' with 50 sax cement, being 22' into 8 1/4" shoe.

Bridged again at 2569', filled to 3527 with 30 sax cement; the 8 1/4 being ~~xpl~~ pulled from 3549'.

Bridged again at 3024, filled to 2966' with 58 sax cement, being 38' into the 11" shoe.

All above operations during the month of April, 1920.

Began abandonment operations again during Sept. 1920, shot off 11" Casing at 1280' and pulled same. Bridged at 1102' and filled to 1078' with 25' sax cement, this being the job. tested by yourself.

After 11" was all out bridged hole about 50' below surface and filled.

As a matter of information, beg to add that we tested for water and could find none coming into hole above last cement bridge.

Yours very truly,

E. L. DOHENY,

Per O. H. Hanson, Agent.

CALIFORNIA STATE MINING BUREAU

DEPARTMENT OF PETROLEUM AND GAS

SPECIAL REPORT ON OPERATIONS WITNESSED

No. T. 3-281

Santa Maria, Cal. April 17, 1920

Mr. L. M. Crans,

Los Alamos, Cal.

Agent for E. L. Doherty Oil Company

DEAR SIR:

Operations at your well No. 14 A., Section Bell, T. Los Alamos Re., Cat Canyon Field, Santa Barbara Co. B. & M.

were witnessed by H. W. Bell representative of the supervisor

on April 17 1920 There were also present L. M. Crans (Supt.)

I. T. Cadwell (Driller), Paul McCartney (Tool Dresser)

The operations were performed for the purpose of determining the condition and location

of top of a cement bridge.

and the data and conclusions are as follows:

Supt. L. M. Crans gave the deputy the following information:

The cement bridge was started at 3975 ft. and composed of 50 sks. G.C. cement, which was dumped in three stages.

It was witnessed that the tools picked up at 3831 ft. and that they could not be spudded deeper.

The condition of the bridge is approved and the well is passed for the further work of abandonment.

CC. B. L. Cunningham,
Security Building,
Los Angeles, Calif.

H. W. Bell, Deputy

R. P. McLAUGHLIN
State Oil and Gas Supervisor

By H. W. Bell Deputy

CALIFORNIA STATE MINING BUREAU

Department of Petroleum and Gas

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin

STATE MINING BUREAU

RECEIVED

JAN 27 1920

SANTA MARIA, CAL.

Los Alamos

Cal. Jan 23, 1920

191

Mr. Mr. H. C. Bell

Deputy State Oil and Gas Supervisor

Santa Maria

Cal.

DEAR SIR:

In compliance with Section 16, Chapter 718, Statutes of 1915, notice is hereby given that it is our intention to abandon well number 14 A Section Bell T. _____ R. _____, _____ B. & M.,
Cat Canyon Oil Field Santa Barbara County,
 commencing work on the 30 th day of Jan, 1920 _____ 191__.

The present condition of the well is as follows:

The well is free from water and Oil below
 the 8' and the Brown shale has never been reached at the present depth.

The proposed work is as follows:

It is our intentions to alter all strings of casing
 that are in hole and cement according to the the requirments of the law.

H. W. Bell, Deputy

Respectfully yours,

E. F. Lohony Oil Co
 (Name of Company or Operator)

By J. M. Brano

California State Mining Bureau

DEPARTMENT OF PETROLEUM AND GAS

Report on Test of Water Shut-off

No. T. 3-121

Santa Maria,

Cal. May 26th,

1918

Mr. M. Kinnebrew,

Los Alamos, Cal.

Agent for Pan American Pet. Inv. Corp. ~~Company~~

DEAR SIR:

Your well No. 14-A Section T Los Alamos Ro.

B. & M.

Cat Canyon

Oil Field, in Santa Barbara

County, was this day tested

for shut-off of water. Mr. H. W. Bell, designated by the supervisor, was present as prescribed in Section 19,

Chapter 759, Statutes 1917, and there were also present M. Kinnebrew (Supt.), L. F. Cypher (Driller),

H. L. Wright (Toolie)

Location of the water tested 3094-3110, 3278-3299, 3511-3532.

(Top

Bottom, etc.)

Depth and manner of water shut-off Cemented at 3954 - 150 sks., gray shale, tubing.

(Casing cemented, landed, or hole plugged up)

Casing record of well 3954' - 8 1/4" - 32#.

Reported total depth of hole 3960 feet. Bailer went to 3961 feet and brought up formation

Water bailed out to 2500 feet at 8:0 A.M. May 25th

(Time and date)

At 11:0 A.M. May 26th

(Time and date)

bailer run to 2500 feet.

Result of bailing test Brought up 5 gal. water and showed that no water was entering the hole.

Result of pumping test

Date well put to pumping Pump depth

At the end of days well made barrels of fluid of which per cent was water, coming from

Fluid level before water was shut off feet; after water test feet.

From the above bailing test it is concluded that the slight amount of water picked up by the bailer was "drain-back" and that any waters back of the 8 1/4" casing have been successfully cemented off. The well is passed for further drilling.

3000 - 11" casing

went to 4631 no showing - no Br sh.

See log on back.

R. E. Collom, Deputy

115

went to 4730

R. P. McLAUGHLIN,
State Oil and Gas Supervisor.

By

R. E. G.
B.

Deputy

17

CALIFORNIA STATE MINING BUREAU
DEPARTMENT OF PETROLEUM AND GAS

----- Santa Maria, ----- Cal. ----- May 21, ----- 1918

----- Pan American Petroleum Investment Corp.,

----- Los Alamos, Cal. -----

DEAR SIRs:

I am in receipt of your notice dated ----- May 19th, ----- 1918

of ----- test of water shut-off ----- Well No. ----- 14-A -----

Bell Ranch

Section ----- T. ----- R. ----- B. & M. on May 24, 1918.

Yours truly,

R. P. McLAUGHLIN,
State Oil and Gas Supervisor

Per ----- *R. P. L.* -----
Deputy

CALIFORNIA STATE MINING BUREAU

Department of Petroleum and Gas

STATE MINING BUREAU
RECEIVED

MAY 21 1918

SANTA MARIA, CAL.

Notice of Test of Water Shut-off

This notice must be given at least five days before the test, and a longer time is desirable

Los Alamos, Cal. May 19th 1918

Mr. R. E. Collom,

Deputy State Oil and Gas Supervisor

Santa Maria, Cal.

DEAR SIR:

In compliance with Section 19, Chapter 718, Statutes of 1915, notice is hereby given that it is our intention to test the shut-off of water in well number 14A Section Bald Ranch R. B. & M.,
Cat Canyon Oil Field, Santa Barbara County,

on the 24 day of May 1918.

8 1/4 inch casing was cemented in Gray Shale at 3954 on February 27 1918.
(Formation) (Depth) (Date)

150 sacks of cement was used.

The Pumped through 3" tubing method was used in placing the cement.

Fluid level will be bailed to a depth of 2500 feet and left undisturbed for at least 12 hours before your inspection.

The well is 3954 feet deep. There ^{is not} ~~is~~ a plug or bridge from _____ feet to _____ feet.

RECEIVED
R. E. Collom, Deputy

Respectfully yours,

(Name of Company or Operator)
By M. Kinnebrew
Superintendent

Address notice to Deputy State Oil and Gas Supervisor in charge of district where well is located

15

California State Mining Bureau

DEPARTMENT OF PETROLEUM AND GAS

Report on Proposed Operations

No. P-3-135

Mr. M. Kinnebrew,Santa Maria, Cal. Feb. 28, 1918Los Alamos Cal.Agent for Pan American Petroleum

California State Mining Bureau

DEPARTMENT OF PETROLEUM AND GAS

Report on Proposed Operations

No. P-3-135

Santa Maria, Cal. Feb. 28, 1918

Mr. M. Kinnebrew,

Los Alamos Cal.

Agent for Pan American Pet. Inv. Corporation

DEAR SIR:

supplementary

Los Alamos Co.

Your proposal to cement & deepen well No. 14-A, Section Ball P, B. & M.,

Cat Canyon Oil Field, Santa Barbara County, dated Feb. 26, 1918,

has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

RECORDS:-

See P 3-63. Cemented 11" casing at 3004'. Cemented 8 $\frac{1}{4}$ " casing at 3490'.
Notice states:- "We encountered a stratum of salt water at 3511, and have since drilled to 3953 ft." Salt water was found at 3278-3299 which rose to 450 ft. of surface in a short time. Mr. Kinnebrew stated by telephone that the 8 $\frac{1}{4}$ " had been shot at 3385' and 105' - 8 $\frac{1}{4}$ " was side-tracked.

PROPOSAL:-

"To cement a string of 8 $\frac{1}{4}$ " - 32# casing at 3953 to enable us to test the formation below this point for oil."

Recommendation:

It may be noted that if all of the water were bailed out, at least 3500 ft. of water would be effective for pressure at the shoe of the 8 $\frac{1}{4}$ ". The maximum head of water that can be supported by 8 $\frac{1}{4}$ " - 32# casing, is about 4960 ft. It is considered good practice to allow a factor of safety of 2, which would limit the utility of the casing in question to 2480 ft.
The proposal to cement a string of 8 $\frac{1}{4}$ " at 3490 ft. in order to test formations below that depth, is approved.

R. E. Callan Deputy

R. P. McLAUGHLIN,

State Oil and Gas Supervisor.

By *R. E. Callan* Deputy.

CALIFORNIA STATE MINING BUREAU

Department of Petroleum and Gas

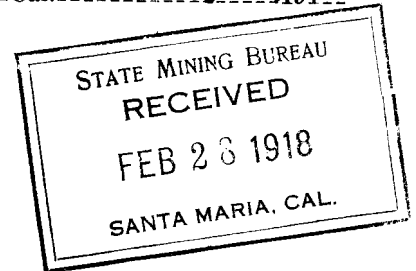
SUPPLEMENTARY NOTICE

Los Alamos, _____ Cal. February 26, 1918.

Mr. R. E. Collom, _____

Deputy State Oil and Gas Supervisor

_____ Santa Maria, _____ Cal.



DEAR SIR:

Please be advised that our notice to you dated November 7th, 1918, stating our intention to Cement well number 144 Section _____ T. _____ R. _____ B. & M.,
(Drill, deepen, redrill, test, abandon)
Bell Ranch, Los Alamos Property Oil Field, Santa Barbara County,
must be amended on account of changed or recently discovered conditions.

The new conditions are as follows:

We encountered a strata of salt water at 3511, and have since drilled to 3953 feet, and

We now propose

to cement a string of 8 $\frac{1}{4}$ " 32 lb. casing at 3953 to enable us to test the formation below this point for oil.

114

Respectfully yours,

Pan American Petroleum Investment Corp.

By [Signature] (Name of Company)
Superintendent.

R. E. Collom, Deputy

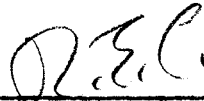
Dec. 6, 1917.

Pan American Petroleum Investment Corp.,
Los Alamos, Cal.

Dear Sirs:-

This is to acknowledge receipt of your letter of Dec. 2nd, 1917, and attached data on Form 101, giving history of drilling operations to date on your well "Temporary" No. 14-A, Bell Ranch, and information as to formation and casing records.

Yours truly,



Deputy Supervisor

REC/C

PAN AMERICAN PETROLEUM & TRANSPORT COMPANY

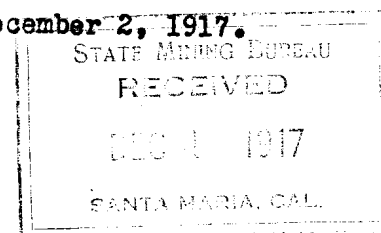
PAN AMERICAN PETROLEUM INVESTMENT CORPORATION SUBSIDIARY

EDWARD L. DOHENY, PRESIDENT.
T. A. O'DONNELL, VICE PRES. & GEN. MGR.
HERBERT G. WYLIE, VICE PRESIDENT.
E. L. DOHENY, JR., VICE PRESIDENT.
NORMAN BRIDGE, TREASURER.
O. D. BENNETT, SECRETARY.

GENERAL OFFICES
LOS ANGELES

Los Angeles, California

December 2, 1917.



Mr. R. E. Collom,
Deputy State Oil & Gas Supervisor,
SANTA MARIA, CALIFORNIA.

Dear Sir:

Referring to your letter of November 22,
requesting logs showing formation, casing and water
records of certain wells, would advise that our
Temporary No. 14A had the 11" casing cemented at 3005
feet, and the 8 $\frac{1}{4}$ " was cemented at 3490 feet.

For information as to formations, I invite
attention to attached data which we have prepared on your
Form 101.

Yours truly,

PAN AMERICAN PETROLEUM INVESTMENT CORPN

By

M. K. Kimbrough
Superintendent.

WH

California State Mining Bureau

DEPARTMENT OF PETROLEUM AND GAS

Report on Proposed Operations

No. P. 3-63.

Santa Maria, Cal. Nov. 30th, 1917.

Mr. M. Kinnebrew, Supt.,

Los Alamos, Cal.

Agent for Pan American Petroleum Inv. Corp. ~~XXXXXX~~

DEAR SIR:

Your proposal to cement 8 $\frac{1}{4}$ " casing in Temporary well No. 14-A Section T R B. & M.,

Los Alamos Bell property Oil Field Santa Barbara County, dated Nov. 7th, 1917.

has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

RECORDS:-

"We cemented 11" 60 lb. casing at 3004 feet, then drilled the well dry to 3094 feet, where we found a salt water sand. The water came in slowly - raised 400 feet in five hours and 1750 feet in 26 hours. We encountered a heavy flow of salt water at 3278 feet. We could not lower this water more than 900 feet from top, swabbing steadily 12 hours, and water came back up to 450 feet from top in a short time after we quit swabbing. We then drilled to 3511 feet, and encountered another sand that showed a little gas but no oil. We are unable to test this sand on account of the heavy flow of salt water coming from 3278 feet." 11" casing cemented at 3004 ft. See report T 3-24, Sept. 5, 1917.

PROPOSAL:-

"To cement the casing (8 $\frac{1}{4}$ " 32 lb.) at 3490 in order to enable us to test the sand at 3511 feet.

Recommendation:

Proposal to cement string of 8 $\frac{1}{4}$ " 32 lb. casing at 3490 ft. in order to shut off water logged at a depth of 3094 ft., and at a depth of 3278 ft., approved

R. P. McLAUGHLIN,

State Oil and Gas Supervisor

R. E. Collier, Deputy

By  Deputy

CALIFORNIA STATE MINING BUREAU

Department of Petroleum and Gas

SUPPLEMENTARY NOTICE

Los Alamos, Cal. November 7th 1917

Mr. R. E. Collom,

Deputy State Oil and Gas Supervisor

Santa Maria,

Cal.

STATE MINING BUREAU
RECEIVED

NOV 30 1917

SANTA MARIA, CAL.

DEAR SIR:

Please be advised that our notice to you dated March 5th, 1917, stating our intention to Drill well number 14A Section T R. B. & M.
(Drill, deepen, redrill, test, abandon)
Los Alamos Bell Property Oil Field, Santa Barbara County,

must be amended on account of changed or recently discovered conditions.

The new conditions are as follows:

We cemented 11" 60 lb. casing at 3004 feet, then drilled the well dry to 3094 feet, where we found a salt water sand. The water came in slowly - raised 400 feet in five hours and 1750 feet in 26 hours. We encountered a heavy flow of salt water at 3278 feet. We could not lower this water more than 900 feet from top, swabbing steadily 12 hours, and water came back up to 450 feet from top in a short time after we quit swabbing. We then drilled to 3511 feet, and encountered another sand that showed a little gas but no oil. We are unable to test this sand on account of the heavy flow of salt water coming from 3278 feet.

We now propose

To cement the casing (8 $\frac{1}{4}$ " 32 lb.) at 3490 in order to enable us to test the sand at 3511 feet.

Respectfully yours,

PAN AMERICAN PETROLEUM INVESTMENT CORPN

(Name of Company)

By M. J. Finnehan

Superintendent.

PAN AMERICAN PETROLEUM & TRANSPORT COMPA
PAN AMERICAN PETROLEUM INVESTMENT CORPORATION
SUBSIDIARY

EDWARD L. DOHENY, PRESIDENT.
T. A. O'DONNELL, VICE PRES. & GEN. MGR.
HERBERT G. WYLIE, VICE PRESIDENT.
E. L. DOHENY, JR., VICE PRESIDENT.
NORMAN BRIDGE, TREASURER.
O. D. BENNETT, SECRETARY.

GENERAL OFFICES
LOS ANGELES

Los Angeles, California November 28th, 1917.

STATE MINING BUREAU
RECEIVED

NOV 30 1917

SANTA MARIA, CAL.

Mr. R. E. Collom,
Deputy State Oil & Gas Supervisor,
Santa Maria, California.

Dear Sir:

On the enclosed supplementary notice covering our Temporary No. 14A, would explain that we have used the date the notice should have been filed, that is five days before the proposed cementing was done.

Failure to send this in was due to a misunderstanding, and we hope there will not be a recurrence.

Yours truly,

PAN AMERICAN PETROLEUM INVESTMENT CORPN

By *W. H. Kinnchew*
Superintendent.

MK/H

California State Mining Bureau

DEPARTMENT OF PETROLEUM AND GAS

Report on Test of Water Shut-off

No. T. 3-53

Santa Maria, Cal. Nov. 27, 1917

Mr. M. Kinnebrew,

Los Alamos, Cal.

DEAR SIR: Agent for Pan American Petro. Inv. Corp. ~~Shuman~~

Your well No. Temporary 14-A Section Bell Ranch T. R. B. & M.,

Cat Canyon Oil Field, in Santa Barbara County, was this day tested for shut-off of water. Mr. R. E. Collom, designated by the supervisor, was present as prescribed in Section 19, Chapter 718, Statutes 1915 and there were also present Mr. M. Kinnebrew and crew.

Hole bridged from 3515 to 3490.
Location of the water tested 3094-3110 salt water 3278-3299 salt water fluid level 700 ft.
(Top) (Bottom, etc.)

Depth and manner of water shut-off Cemented at 3490 ft. 60 sacks cement tubing.
(Casing cemented, landed, or hole plugged up)

Casing record of well 3489'6" - 8 1/4" - 32#

Reported total depth of hole 3495 feet. Bailer went to 3499 feet and brought up full of salt water.

Water bailed out to bottom feet at 3 AM Nov. 27, 1917. At 3:30 PM Nov. 27, 1917.
(Time and date) (Time and date)

bailer run to 3499 feet. and came up full of water; on 2nd run bailer hit fluid at depth of 3430 ft.

Result of bailing test Bailing test showed salt water to be coming into the hole at rate of 300 ft. in 24 hours.

Result of pumping test

Date well put to pumping Pump depth

At the end of days well made barrels of fluid of which per cent was water, coming from

Fluid level before water was shut off feet; after water test feet.

In view of the results of bailing test, given above, and the following facts:-
1st:- Hole was bridged with rock, bull-rope and chunks of concrete and there was 15 ft. of bridge left in hole when cement was drilled out.

2nd:- 8 1/4" casing was bailed to 3495, which depth, considering the fluid level of water stratum at 3278 ft., is close to collapsing depth.

It is concluded that the water is coming from either a leak in the casing or below the bridge and upon request of Mr. Kinnebrew the well is passed for a test of productivity of formations below a depth of 3515 ft. with the understanding that prior to permanently entering productive formations below this depth it will be necessary to make the necessary test to show whether or not the water in question is coming from behind the 8 1/4" casing.

R. P. McLAUGHLIN,

State Oil and Gas Supervisor

By R. E. Collom Deputy

CALIFORNIA STATE MINING BUREAU
DEPARTMENT OF PETROLEUM AND GAS

~~Santa Maria, Cal. November 24, 1917.~~

--Pan-American-Petroleum-Investment-Corp.,

-----Los Alamos, Cal.-----

DEAR SIRS :

I am in receipt of your notice dated November 22nd, 1917

of ~~test of water shut-off~~ Well No. 14A (Temporary)

Section-----T-----R-----Bell Ranch-----B. & M. on Nov. 27th, 1917.

Yours truly,

R. P. McLAUGHLIN,
State Oil and Gas Supervisor

Per

0236

Deputy

California State Mining Bureau

Department of Petroleum and Gas

Notice of Test of Water Shut-off

This notice must be given at least five days before the test, and a longer time is desirable

Los Alamos Cal. November 22, 1917.

Mr. R. E. Collom,

Deputy State Oil and Gas Supervisor

Santa Maria. Cal.



DEAR SIR:

In compliance with Section 19, Chapter 718, Statutes of 1915, notice is hereby given that it is our intention to test the shut-off of water in well number 14A (Temporary No) Section T. R. Bell Ranch Oil Field, Santa Barbara County, on the 27th day of November 1917.

Respectfully yours,

Fan American Petroleum Investment Corp.

(Name of Company or Operator)

By

M. Kimbrough
Superintendent.

114

Address notice to Deputy State Oil and Gas Supervisor in charge of district where well is located

California State Mining Bureau

DEPARTMENT OF PETROLEUM AND GAS

Report on Test of Water Shut-off

No. T.3-24

Santa Maria, Cal. September 5, 1917

Mr. M. Kinnebrew

Los Alamos, Cal.

Agent for Pan American Petroleum Investment Company

DEAR SIR:

Your well No. Temporary 14-A Section Los Alamos Rancho B. & M.,

Cat Canyon Oil Field, in Santa Barbara County, was this day tested

for shut-off of water. Mr. R. E. Collom, designated by the supervisor, was present as prescribed in Section 19, Chapter 218, Statutes 1915 and there were also present Mr. M. Kinnebrew and drilling crew

Location of the water tested Rotary hole; no water logged (Top Bottom, etc.)

Depth and manner of water shut-off Cemented at 3004 feet. (Casing cemented, landed, or hole plugged up)

Casing record of well 3004 ft. 11" 60#

Reported total depth of hole 3010 feet. Bailer went to 3008 feet and brought up 2 gallons of water

Water bailed out to bottom feet at 2:00 a.m. September 5. At 9:30 a.m. September 5, 1917 (Time and date) (Time and date)

bailer run to 3008 feet.

Result of bailing test Bailing test showed no water coming into hole.

Result of pumping test X

Date well put to pumping X Pump depth

At the end of days well made X barrels of fluid of which per cent was water, coming from X

Fluid level before water was shut off X feet; after water test X feet.

Deputy recommended that hole be allowed to stand until 8:00 p.m. at which time the bailer was to be run again and result of run reported by Mr. Kinnebrew to this department. Reported OK by phone.

In view of above bailing test it is concluded that any water back of the 11" casing has been successfully excluded and the well is therefore passed for further drilling.

R. P. McLAUGHLIN,
State Oil and Gas Supervisor

By R. E. Collom, Deputy

An early "T" memo ?

CALIFORNIA STATE MINING BUREAU
DEPT. OF PETROLEUM AND GAS

R. E. COLLOM

San An. # 124
Sept. 5-1917-845
11" 60#
Cemented 3004
Depth 3010
Rotary hole
Cased down 700
Measured to bottom at
3008 -
Bailer brought up
2 yellowish
2189

CALIFORNIA STATE MINING BUREAU
DEPARTMENT OF PETROLEUM AND GAS

----- Santa Maria, ----- Cal. ----- Marc .6, ----- 1917

----- Mr. R.L. Peeler, Agent, -----
Pan American Petroleum Investment Corp.
Los Alamos, California.

Dear Sirs:

I am in receipt of your notice dated ----- Los Alamos March, 5, 1917. ----- 1917

of intention to ----- commence the work of drilling ----- Well No. *Temprary 14A*
Los Alamos Rancho
Section ----- T. ----- R. -----

~~You will receive written notice of the final decision made by the State Mining Commission on the basis of the data submitted by you.~~
You have given me sufficient data to meet the legal requirements necessary
to proceed with the work of drilling.

Yours truly

E.E. Collom

Deputy State Oil and Gas Supervisor

California State Mining Bureau

Department of Petroleum and Gas

Notice of Intention to Drill New Well

This notice must be given before drilling begins

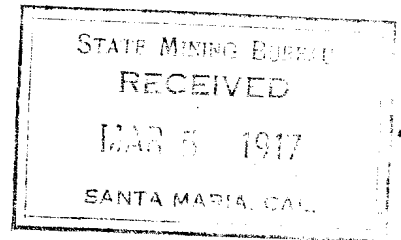
083-00392

Los Alamos _____ Cal. Mch 5, 1917 191

Mr. R E Collom _____

Deputy State Oil and Gas Supervisor

_____ Santa Maria _____ Cal.



DEAR SIR:

In compliance with Section 17, Chapter 718, Statutes of 1915, notice is hereby given that it is our intention to commence the work of drilling well number Temporary 14 A Section _____ T. _____ R. Los Alamos Property _____ Oil Field, _____ County. The well is 1000 feet N. or S. and _____ feet ~~East~~ W. from No 4 well _____.

The elevation of the derrick floor above sea level is 803 feet.

We estimate that water should be shut off at a depth of about 2400 feet, more or less.

We estimate that productive oil or gas sand should be encountered at a depth of about 2750 feet, more or less.

Respectfully yours,

Pan American ^Pet. Inv Corp _____

(Name of Company or Operator)

By _____

Agent

Address notice to Deputy State Oil and Gas Supervisor in charge of district where well is located

R. E. Collom, Deputy

122 N
4 M -
144 Temporary